

Remarks

Claims 16, 20 – 29 and 46, 49, 51, 52, and 55 remain pending and reconsideration of those claims is requested.

Claim 16 features a method of controlled dispensing of a material onto a plurality of an elongated window components comprising by moving a plurality of elongated window components along a path of travel relative to a material dispensing nozzle at a controlled speed and delivering the material from a bulk supply to an inlet of a gear pump having an outlet coupled to the nozzle to dispense the material from the nozzle into contact with a surface of the elongated window component.

The nozzle is opened and closed based on movement of the plurality of elongated window components to avoid dispensing material into gaps between components. The speed of the gear pump is regulated to control the rate of flow of the dispensed material from the nozzle when the nozzle is open based on a relative speed of movement between the window component and the nozzle. Pressure of the material is monitored with a pressure transducer before said material is dispensed from the nozzle and the pressure of the material delivered to the metering pump from the bulk supply is regulated based on the pressure sensed by the pressure transducer.

The prior art cited by the Examiner neither shows nor suggests stopping and starting dispensing material onto multiple elongated window components. Crumbach et al has no nozzle and the nozzle 11 of Geisel et al is not opened and closed to avoid filling gaps between a succession of window parts moving in relation to the nozzle all while controlling and coordinating operation of a gear pump and pressure of material delivered to the gear pump. For at least these reasons claim 16 is allowable.

Claims 20 – 29 and 58 depend from allowable claim 16 and are also allowable.

Claims 46 has been amended to feature aspects of applications invention neither shown nor suggested in the prior art cited by the Examiner.

Claims 49, 51 and 55 depend from allowable claim 46 and are also allowable.

Claim 52 features a method of delivering the material from a bulk supply with a pump mechanism to an inlet of a gear pump having an outlet coupled to the nozzle. Material is dispensed from the nozzle into contact with a surface of the window

component by driving the gear pump and regulating the speed of the gear pump to control the rate of flow of the dispensed material from the nozzle based on a speed of movement of the window component with respect to the nozzle. The pressure of the material is monitored with a pressure transducer before the material is dispensed from the nozzle. The pressure of the material delivered to the gear pump is maintained at or near a desired pressure within a range of from 600 to 1500 pounds per square inch by the pump mechanism based on the pressure sensed by the pressure transducer.

The use of a feedback signal featured in claim 52 to adjust the pressure to a desired value in the specified range is neither shown nor suggested by the prior art and is therefore allowable.

It is submitted that the application is in condition for allowance, prompt notice to that effect is respectfully requested. The Commissioner is hereby authorized to charge payment or credit any overpayment to Deposit Account No. 20-0090 for additional fees required.

Respectfully submitted,

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/Stephen J. Schultz/
Stephen J. Schultz
Reg. No. 29,108
Tarolli, Sundheim
Covell & Tummino LLP
1300 East Ninth Street
Suite 1700
Cleveland, OH 44114
Telephone: (216) 621-2234
Facsimile: (216) 621-4072